Mark Morris, P.E.

#126, 1317-M, Summerville, SC 29483 843 209-5784, Fax (866)-213-4614

The truss drawing(s) listed below have been prepared by **Atlantic Building Components** under my direct supervision based on the parameters provided by the truss designers.

AST #: 47993 JOB: 24-3770-R01 JOB NAME: LOT 2 PROVIDENCE CREEK Wind Code: ASCE7-16 Wind Speed: Vult= 120mph Exposure Category: B Mean Roof Height (feet): 35 These truss designs comply with IRC 2015 as well as IRC 2018. 19 Truss Design(s)

Trusses:

R01, R02, R03, R04, R05, R06, R07, R08, R09, R10, R11, R12, R13, SP01, SP02, VT01, VT02, VT03, VT04



Warning !--- Verify design parameters and read notes before use.

This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to



Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 9	5 PROVIDENCE CREEK DRIVE FUQUAY-VAR	
24-3770-R01	R01	Common Supported Gable	1	1	Job Reference (optional)	# 47993	
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Apr 29 20:02:56 2024 Page 2							

14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are not considered in the structural design of the truss to support the

loads indicated. 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
 OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 PR	OVIDENCE CREEK DRIVE FUQUAY-V	٩RIN
24-3770-R01	R02	DUAL RIDGE GABLE	1	1	Job Reference (optional)	# 47993	
		Run: 8	430 s Feb 1;	2 2021 Print	: 8.430 s Feb 12 2021 MiTek Industries.	Inc. Mon Apr 29 20:02:57 2024 Page 2	

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Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





D'Onofrio	Drive	Madison	W/I	53710
D Onoirio	Drive,	waanson,	VV I	33/19.

Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 PROVIDENCE CREEK DRIVE FUQUAY-V	ARIN
24-3770-R01	R03	Common	3	1	Job Reference (optional) # 47993	

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LOAD CASE(S) Standard



4/27/2024

Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK	95 PROVIDENCE CREEK DRIVE FUQUAY-VARI
24-3770-R01	R04	COMMON GIRDER	1	3	Job Reference (optional)	# 47993
		Run: 8.4 ID:c	30 s Feb 12 P6kT8h891	2021 Print	8.430 s Feb 12 2021 MiTek Ind	ustries, Inc. Mon Apr 29 20:02:58 2024 Page 1 XonI7RmDMoXiJszDZnBzLtE5wRMzLmVB
	5-1-12	10-0-0	14-10	0-4	20-0-0	
	5-1-12	4-10-4	4-10)-4	5-1-12	
		5x8 =				Scale = 1:43.6
		4				
Ī						
	7 (0[12				
	1.0					
		4x6		\frown	4x6 ≈	
a		3				
				/		
Q	4x6	W3			6	յ 4x6 ≫
				/		\sim
	1 HW1	W1 W2	VVI.	2	W1	7 HTW1
c			/			
	11	12 ₁₀ 13 14 9	15		16 ₈ 17 1	8
	6x8 HTU26	HTU26 3x10 HTU26 7x8 =	HTU26		3x10 HTU	J26 6x8
		HTU26 HTU26		HT	U26 HTU26	
	E 1 10	10.0.0	14.10	0.4	20.0.0	
	5-1-12	4-10-4	4-10)-4	5-1-12	
Plate Offsets (X,Y) [9:0	-4-0,0-4-8]					
TCLL (roof) 20.0	SPACING-	2-0-0 CSI. DI	EFL.	in (lo	oc) I/defl L/d	PLATES GRIP
Snow (Pf) 20.0	Lumber DOL	1.15 IC 0.54 Ve 1.15 BC 0.83 Ve	ert(LL) - ert(CT) -	-0.07 9- -0.15 9-	10 >999 240 10 >999 180	MT20 244/190
BCLL 10.0 *	Rep Stress Incr	NO WB 0.93 He	orz(CŤ)	0.05	7 n/a n/a	
BCDL 10.0		IZU14 Matrix-SH				Weight. 437 lb FT – 20%
LUMBER-	<u>, </u>			Structure	al wood sheathing directly	
BOT CHORD 2x6 SP No	p.2	BOT CH	IORD	Rigid ce	iling directly applied or 10)-0-0 oc bracing.
WEBS 2x4 SP No SLIDER Left 2x4 SP).3 P No 3 -° 2-11-5_Right 2x4	SP No 3 -° 2-11-5				
REACTIONS. (Ib/size) Max Horz	1=6789/0-3-8 (min. 0-2-12 1=-141(LC 37)), 7=6976/0-3-8 (min. 0-2-14)				
Max Uplift	1=-716(LC 12), 7=-663(LC	13)				
Max Grav	1=6930(LC 5), 7=7269(LC	0)				
FORCES. (lb) - Max. Col	mp./Max. Ten All forces 2	250 (lb) or less except when shown.				
6-7=-102	252/919		,			
BOT CHORD 1-11=-84	7/8297, 11-12=-847/8297,	10-12=-847/8297, 10-13=-847/8297, 13-14=- 5-16=-713/8486, 8-16=-713/8486, 8-17=-713	847/8297, /8486	,		
17-18=-7	13/8486, 7-18=-713/8486	3-10713/0400, 0-10713/0400, 0-17713	/0400,			
WEBS 4-9=-620)/6771, 5-9=-2595/333, 5-8	244/3427, 3-9=-2406/385, 3-10=-297/3204				
NOTES- (12-15)						
 3-ply truss to be conne Top chords connected 	ected together with 10d (0.1 as follows: 2x6 - 2 rows st	31"x3") nails as follows: aggered at 0-9-0 oc				
Bottom chords connect	ted as follows: 2x6 - 2 rows	staggered at 0-5-0 oc.				
2) All loads are considere	llows: 2x4 - 1 row at 0-9-0 (ed equally applied to all plie	oc. s. except if noted as front (F) or back (B) face	e in the LC	DAD CAS	E(S) section. Plv to plv	
connections have beer	n provided to distribute only	loads noted as (F) or (B), unless otherwise in	ndicated.		_(-)	
 Unbalanced roof live lo Wind: ASCE 7-16; Vult 	ads have been considered t=120mph (3-second qust)	for this design. Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; ł	n=35ft; Ca	t. II; Exp	B; Enclosed; MWFRS	
(envelope) gable end z	zone; cantilever left and right	nt exposed ; end vertical left and right expose	d; Lumber	r DOL=1	.60 plate grip DOL=1.60	MINITH CAROLINI
Cat B; Partially Exp.; C	20.0 pst (root LL: Lum DOI Ce=1.0; Cs=1.00; Ct=1.10	_=1.15 Plate DOL=1.15); Pt=20.0 pst (Lum D	OL=1.15 I	Plate DO	L=1.15); IS=1.0; Rough	STOFESSION NOTIN
6) Unbalanced snow load	Is have been considered fo	r this design.	on live 1	da	Inn	on Age
8) * This truss has been de	besigned for a live load of 3	0.0psf on the bottom chord in all areas where	er inve load e a rectand	us. gle 3-6-0	tall by 1-0-0 wide will fit	SEAL
between the bottom ch	ord and any other member	S.	0 lb ·····	ot lobe t		28147
9) Provide mechanical co 7=663.	onnection (by others) of trus	s to bearing plate capable of withstanding 10	uplift al u	at joint(s) except (jt=ib) 1=716,	
10) Use Simpson Strong-	Tie HTU26 (20-10d Girder,	11-10dx1 1/2 Truss, Single Ply Girder) or eq	uivalent s	paced at	2-0-0 oc max. starting	VOINEE
11) Fill all nail holes when	re hanger is in contact with	uuss(es) KTU (T ply 2x4 SP), R11 (1 ply 2x4 lumber.	SP) to ba	UK TACE C	n pollom chora.	Min K. MORMUM
,						
						4/2//2024
CoWannieset on Vercify Zlesign	parameters and read notes b	efore use. This design is based only upon parameter	s shown, an	d is for an	individual building component	nt to be installed and loaded

Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 P	ROVIDENCE CREEK DRIVE FUQUAY-VARI
24-3770-R01	R04	COMMON GIRDER	1	3	Job Reference (optional)	# 47993
		Run: 84	30 s Eeh 12	2 2021 Print	· 8 430 s Feb 12 2021 MiTek Industrie	s Inc. Mon Apr 29 20:02:59 2024 Page 2

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-BfDafp8mAByNQxtK_TkbLkFUcNZoWeDU5uqUzpzLmVA

12) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 13) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

14) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing. 15) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard

1) Dead + Snow (balanced): Lumber Increase=1.15, Plate Increase=1.15

Uniform Loads (plf) Vert: 1-4=-60, 4-7=-60, 1-7=-20

Concentrated Loads (lb)

Vert: 9=-1371(B) 11=-1286(B) 12=-1286(B) 13=-1371(B) 14=-1371(B) 15=-1371(B) 16=-1371(B) 17=-1371(B) 18=-1371(B)



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BOT CHORD

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.3 WFBS 2x4 SP No.3 Structural wood sheathing directly applied or 5-0-0 oc purlins, except end verticals.

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Rigid ceiling directly applied or 10-0-0 oc bracing.

MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide

REACTIONS. (lb/size) 4=189/5-0-0 (min. 0-1-8), 2=251/5-0-0 (min. 0-1-8) Max Horz 2=70(LC 13) Max Uplift4=-40(LC 14), 2=-63(LC 10) Max Grav 4=253(LC 21), 2=344(LC 21)

FORCES. (Ib) - Max. Comp./Max. Ten. - All forces 250 (Ib) or less except when shown.

NOTES-(11-14)

- 1) Wind: ASCE 7-16; Vult=120mph (3-second gust) Vasd=95mph; TCDL=5.0psf; BCDL=5.0psf; h=35ft; Cat. II; Exp B; Enclosed; Gable Roof; Common Truss; MWFRS (envelope) gable end zone and C-C Corner(3E) zone; cantilever left and right exposed ; end vertical left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1
- 3) TCLL: ASCE 7-16; Pr=20.0 psf (roof LL: Lum DOL=1.15 Plate DOL=1.15); Pf=20.0 psf (Lum DOL=1.15 Plate DOL=1.15); Is=1.0; Rough Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- non-concurrent with other live loads. Gable requires continuous bottom chord bearing.
- Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
 9) * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members.
 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.
 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.
 12) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
 13) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 14) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard



of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 National Design Standard for Metal Plate Connected Wood Truss Construction and BCSI 1-03 Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.



Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 PROVIDENCE CREEK	OVIDENCE CREEK DRIVE FUQUAY-V	٩RIN
24-3770-R01	R07	Monopitch	2	1	Job Reference (optional)	# 47993	
		Run: 8.	130 s Feb 12	2 2021 Print	: 8.430 s Feb 12 2021 MiTek Industries.	Inc. Mon Apr 29 20:03:00 2024 Page 2	

ID:c_P6kT8h891B1ftkFc00gMyzUGu-fmyt990xU4E155WV8Fquxobin?cF7PeKYa1VFzLmV9 10) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

11) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

 Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing.
 SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS

3) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 PROVIDENC	CE CREEK DRIVE FUQUAY-VARI
24-3770-R01 R	R08	GABLE	1	1	Job Reference (optional)	# 47993

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LOAD CASE(S) Standard



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Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95	PROVIDENCE CREEK DRIVE FUQUAY-V	RIN
24-3770-R01	R09	GABLE	1	1	Job Reference (optional)	# 47993	
		Run: 8.4	30 s Feb 12	2 2021 Print	: 8.430 s Feb 12 2021 MiTek Industr	ries, Inc. Mon Apr 29 20:03:02 2024 Page 2	

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-bEvilqBfT6KyHPcvgclIzMt6NamijAfwns38a8zLmV7 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.

16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate

Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





- 5) This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs
- 6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 8) Refer to girder(s) for truss to truss connections.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=179

Cat B; Partially Exp.; Ce=1.0; Cs=1.00; Ct=1.10 Unbalanced snow loads have been considered for this design. This truss has been designed for greater of min roof live load of 12.0 psf or 2.00 times flat roof load of 20.0 psf on overhangs non-concurrent with other live loads. This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads. * This truss has been designed for a live load of 30.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 1-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf. Refer to girder(s) for truss to truss connections. Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 17=79, 11=156. ATTINITUR ANTINA

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Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 PRO	OVIDENCE CREEK DRIVE FUQUAY-V	RIN
24-3770-R01	R10	Common	2	1	Job Reference (optional)	# 47993	
		Run: 8.	130 s Feb 12	2 2021 Print	: 8.430 s Feb 12 2021 MiTek Industries.	Inc. Mon Apr 29 20:03:03 2024 Page 2	

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 Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
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- 13) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95 PR	OVIDENCE CREEK DRIVE FUQUAY-VA
24-3770-R01	R11	Common	7	1	Job Reference (optional)	# 47993
Run: 8,430 s Feb 12 2021 Print: 8,430 s Feb 12 2021 MiTek Industries, Inc. Mon Apr 29 20:03:03 2024 Page 2						

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-3QT5VABHEPSpuZB5DJpXVaQ9W_w7SYR40Woh6azLmV6 11) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced.

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LOAD CASE(S) Standard





L	8-5-12	16-8-0	24	4-10-4	33-4	4-0		
!	8-5-12	8-2-4	1	8-2-4	8-5-	-12 '		
LOADING (psf) TCLL (roof) 20.0 Snow (Pf) 20.0 TCDL 10.0 BCLL 0.0 * BCDL 10.0	SPACING- 2-0-0 Plate Grip DOL 1.15 Lumber DOL 1.15 Rep Stress Incr YES Code IRC2021/TPI2014	CSI. TC 0.52 BC 0.95 WB 0.46 Matrix-SH	DEFL. Vert(LL) Vert(CT) Horz(CT)	in (loc) l/defl -0.22 13-15 >999 -0.35 13-15 >999 0.09 12 n/a	L/d 240 180 n/a	PLATES MT20 Weight: 198 lb	GRIP 244/190 FT = 20%	
LUMBER- TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3 W1: 2x6 SP	*Except* No.2		BRACING- TOP CHORD BOT CHORD WEBS	Structural wood sheathing directly applied or 3-9-5 oc purlins, except end verticals. Rigid ceiling directly applied or 2-2-0 oc bracing. 1 Row at midpt 7-15, 5-15, 3-18, 9-12 MiTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.				
REACTIONS. (lb/size) 18=1381/0-3-8 (min. 0-1-10), 12=1381/0-3-8 (min. 0-1-10) Max Horz 18=121(LC 13) Max Uplift18=-179(LC 14), 12=-179(LC 15)								
FORCES. (lb) - Max. Com TOP CHORD 2-3=-377/9 6-20=-147/ 2-18=-365/ BOT CHORD 17-18=-28 15-23=-12/ WEBS 6-15=-156/ 3-18=-176/ NOTES- (9-12) 1) Unbalanced roof live loa 2) Wind: ASCE 7-16; Vult= Roof; Common Truss; M Exterior(2R) 11-10-6 to 2 end vertical left and right 3) TCLL: ASCE 7-16; Pr=2 Cat B; Partially Exp.; Ce 4) Unbalanced snow loads 5) This truss has been desi non-concurrent with othe 6) This truss has been desi 7) * This truss has been desi	p./Max. Ten All forces 250 (lb) or le 15, 3-4=-1950/302, 4-5=-1883/319, 5- 17330, 7-20=-1477/307, 7-8=-1883/311 1718, 10-12=-365/118 171716, 16-17=-167/1556, 16-21=-16 17156, 23-24=-124/1556, 14-24=-12 1046, 7-15=-594/205, 7-13=-27/340, 3/237, 9-12=-1763/237 ds have been considered for this des 120mph (3-second gust) Vasd=95mp WFRS (envelope) gable end zone ar 21-5-10, Interior(1) 21-5-10 to 29-4-14 i exposed;C-C for members and force 0.0 psf (roof LL: Lum DOL=1.15 Plate =1.0; Cs=1.00; Ct=1.10 have been considered for this design gned for a 10.0 psf bottom chord live signed for a live load of 30.0psf on th rd and any other members, with BCD nection (by others) of truss to bearing	ss except when shown. 19=-1477/307, 6-19=-14 9, 8-9=-1950/302, 9-10= 7/1556, 21-22=-167/155 1/1556, 13-14=-124/155 5-15=-594/205, 5-17=-2 gn. h; TCDL=5.0psf; BCDL= d C-C Exterior(2E) -0-11 , Exterior(2E) 29-4-14 tc s & MWFRS for reaction DOL=1.15); Pf=20.0 ps of 12.0 psf or 2.00 times load nonconcurrent with e bottom chord in all are _ = 10.0psf. plate capable of withsta	.70/330, =-377/95, 6, 15-22=-167/155 6, 12-13=-178/170 7/340, =5.0psf; h=35ft; C 0-8 to 3-11-2, Inte o 34-2-8 zone; car ns shown; Lumbeu of (Lum DOL=1.15 a flat roof load of 2 th any other live loa eas where a rectar	56, 56 at. II; Exp B; Enclosed rior(1) 3-11-2 to 11-10- tilever left and right ex r DOL=1.60 plate grip Plate DOL=1.15); Is= 20.0 psf on overhangs ads. ngle 3-6-0 tall by 1-0-0 t at joint(s) except (jt=1	; Gable -6, posed ; DOL=1.60 1.0; Rough wide will ft b) 18=179,	TH CARO	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	

4/27/2024

Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK	95 PROVIDENCE CREEK DRIVE FUQUAY-V	٩RIN
24-3770-R01	R12	COMMON	8	1	Job Reference (optional)	# 47993	
		Run: 8.4	30 s Feb 12	2021 Print	: 8.430 s Feb 12 2021 MiTek Ind	ustries, Inc. Mon Apr 29 20:03:04 2024 Page 2	

ID:c_P6kT8h891B1fTkFc0OgMyzUGu-Xc0TiWCv?jbgWimHn1Km2nzLfOE_B0qDFAYFe0zLmV5

- 9) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 10) Bearing symbols are only graphical representations of a possible bearing condition. Bearing symbols are not considered in the structural design of the truss to support the loads indicated.
- 11) Web bracing shown is for lateral support of individual web members only. Refer to BCSI Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate
- Connected Wood Trustees for additional bracing guidelines, including diagonal bracing. 12) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard





vertically. Applicability of design parameters and read notes before use. This based only dipoli parameters shown, and is for lateral building component to the instance and roaded overtically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Trusse Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

Job	Truss	Truss Type	Qty	Ply	LOT 2 PROVIDENCE CREEK 95	PROVIDENCE CREEK DRIVE FUQUAY-VA
24-3770-R01	R13	Common Supported Gable	1	1	Job Reference (optional)	# 47993
Run: 8.430 s Feb 12 2021 Print: 8.430 s Feb 12 2021 MiTek Industries, Inc. Mon Apr 29 20:03:05 2024 Page						

ID:c_P6kT6h891B1fTkFc0OgMyzUGu-?parwsDXm1jX8sLULkr?b?VdkonRwXPNUqHoBSzLmV4 14) Graphical bracing representation does not depict the size, type or the orientation of the brace on the member. Symbol only indicates that the member must be braced. 15) Bearing symbols are not considered in the structural design of the truss to support the

loads indicated. 16) Web bracing shown is for lateral support of individual web members only. Refer to BCSI - Guide to Good Practice for Handling, Installing, Restraining & Bracing of Metal Plate Connected Wood Trusses for additional bracing guidelines, including diagonal bracing

 17) SEE BCSI-B3 SUMMARY SHEET- PERMANENT RESTRAING/BRACING OF CHORDS & WEB MEMBERS FOR RECOMMENDED MINIMUM BRACING REQUIREMENTS
 OF TOP CHORD, BOTTOM CHORD, AND WEB PLANES. IN ADDITION TO THESE MINIMUM GUIDELINES, ALWAYS CONSULT THE PROJECT ARCHITECT OR ENGINEER FOR ADDITIONAL BRACING CONSIDERATIONS.

LOAD CASE(S) Standard







vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer – not truss designer or truss engineer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to ensure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI 1 *National Design Standard for Metal Plate Connected Wood Truss Construction* and BCSI 1-03 Guide to *Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses* from Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.







